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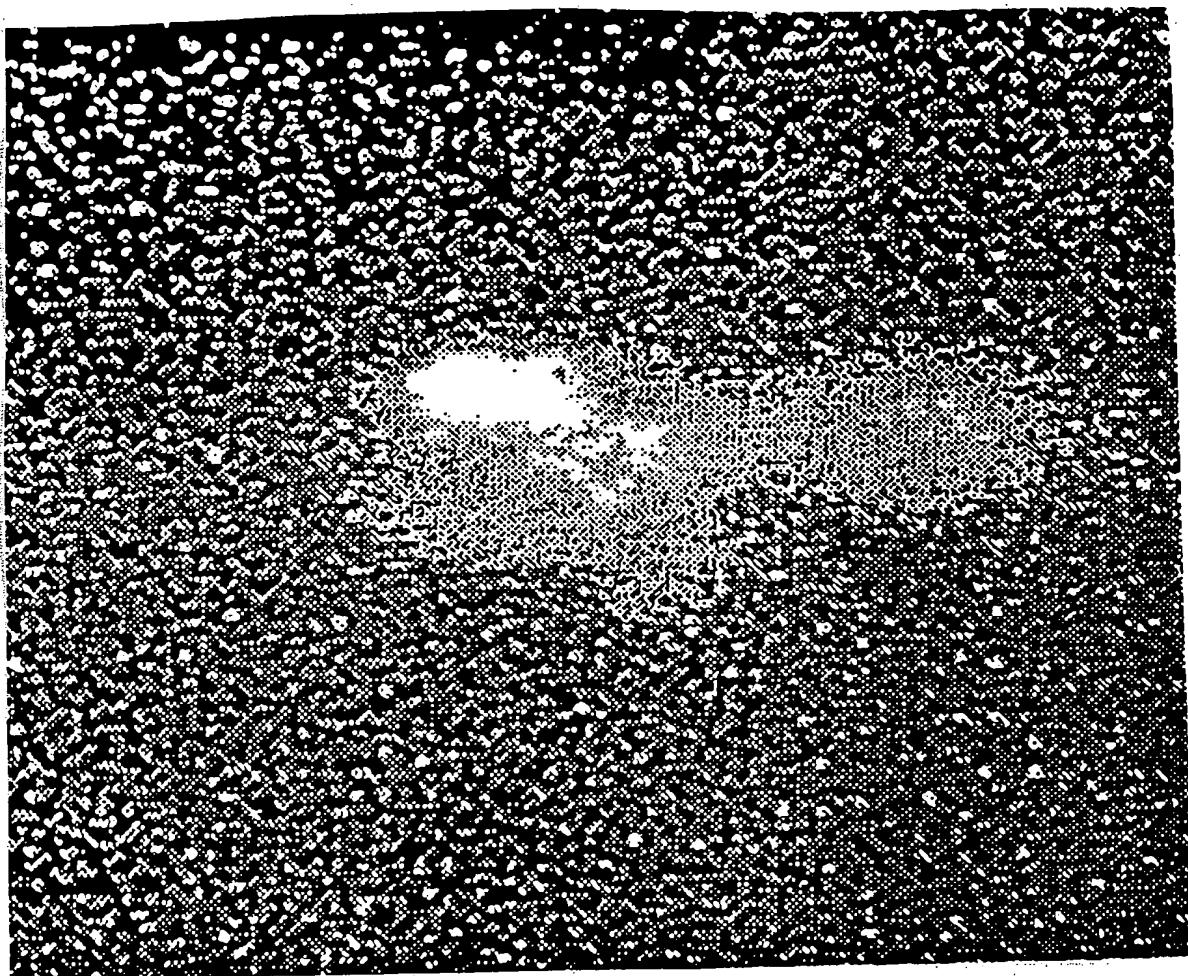
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FIGURE 1A



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FIGURE 1B



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FIGURE 2A



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FIGURE 2B

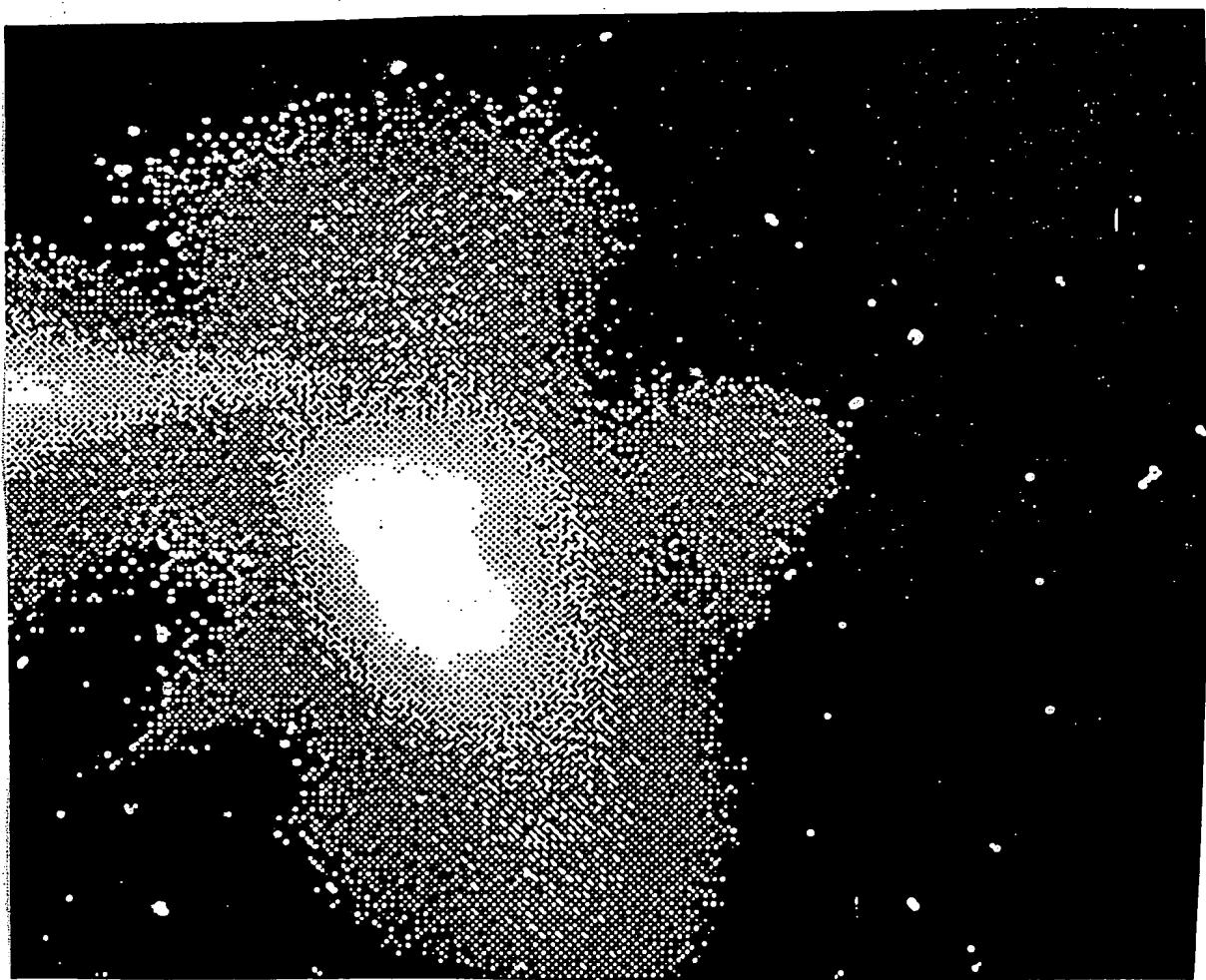
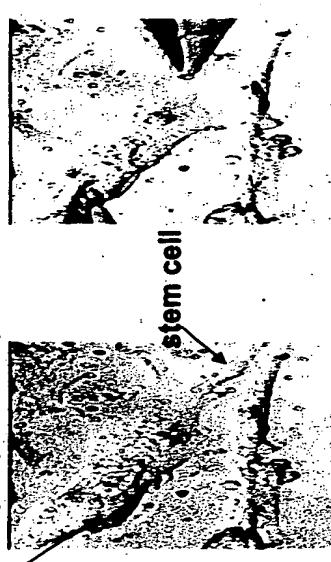
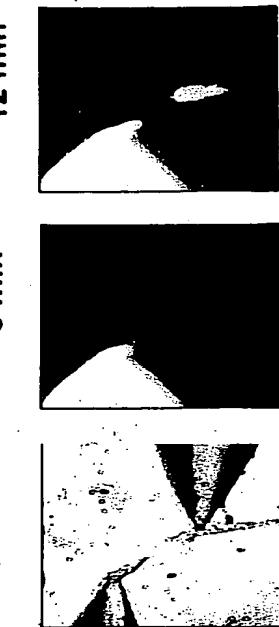
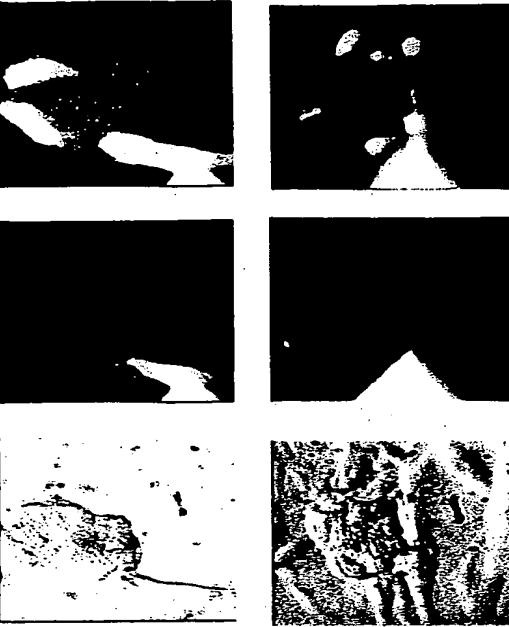


FIGURE 3A**Cardiomyocyte (ventricle)****FIGURE 3B****Stem-Stem**

3 min 12 min

Stem-canine cardiomyocyte (ventricle)

3 min 30 min

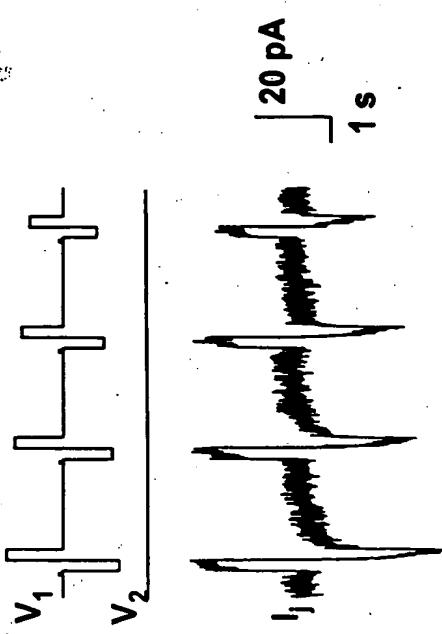
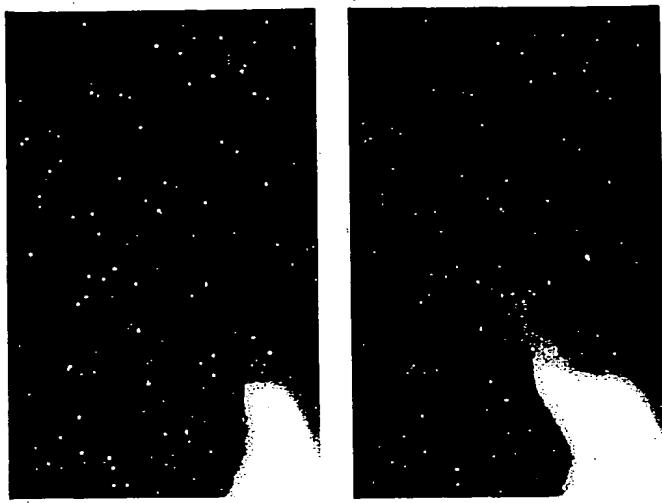
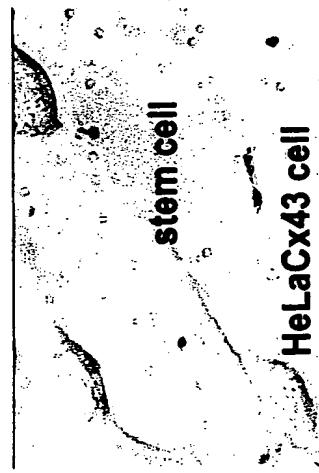
**FIGURE 3C**

FIGURE 4A

Stem- HeLaCx43

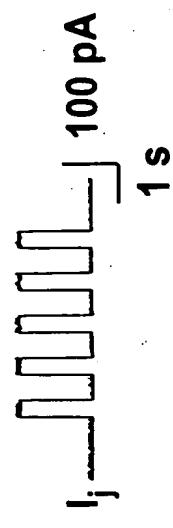


1 min

12 min

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$g_j = 16 \text{ nS}$



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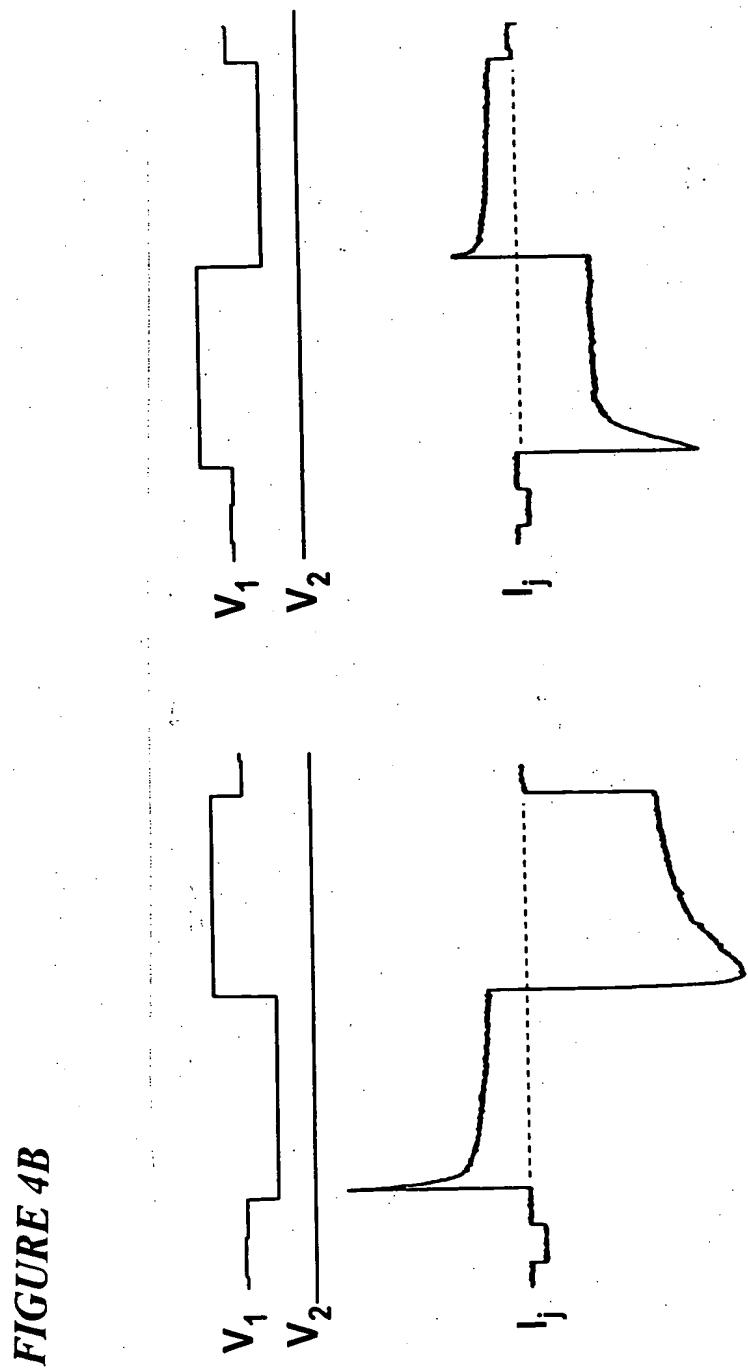


FIGURE 4B

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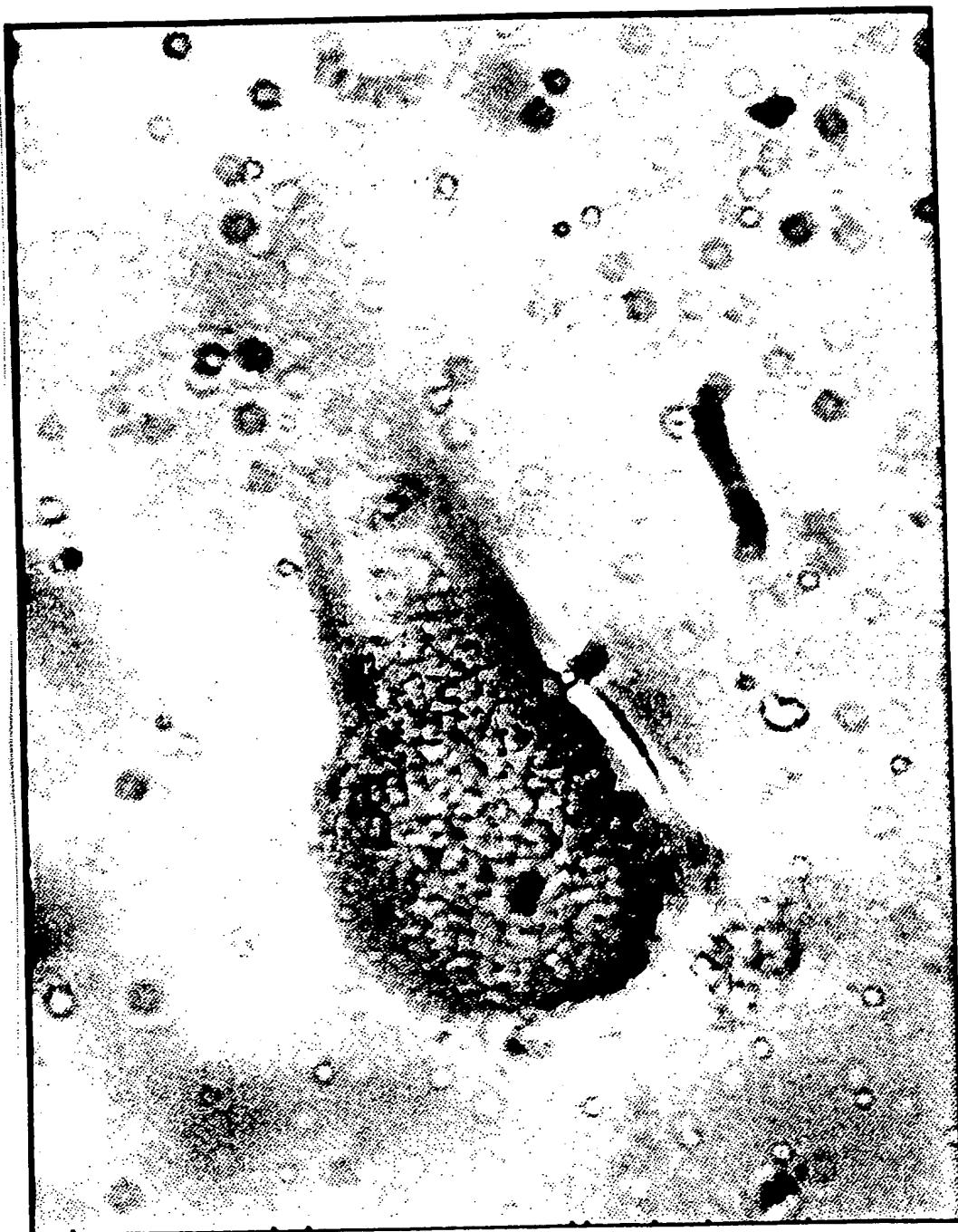


FIGURE 5A

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FIGURE 5B

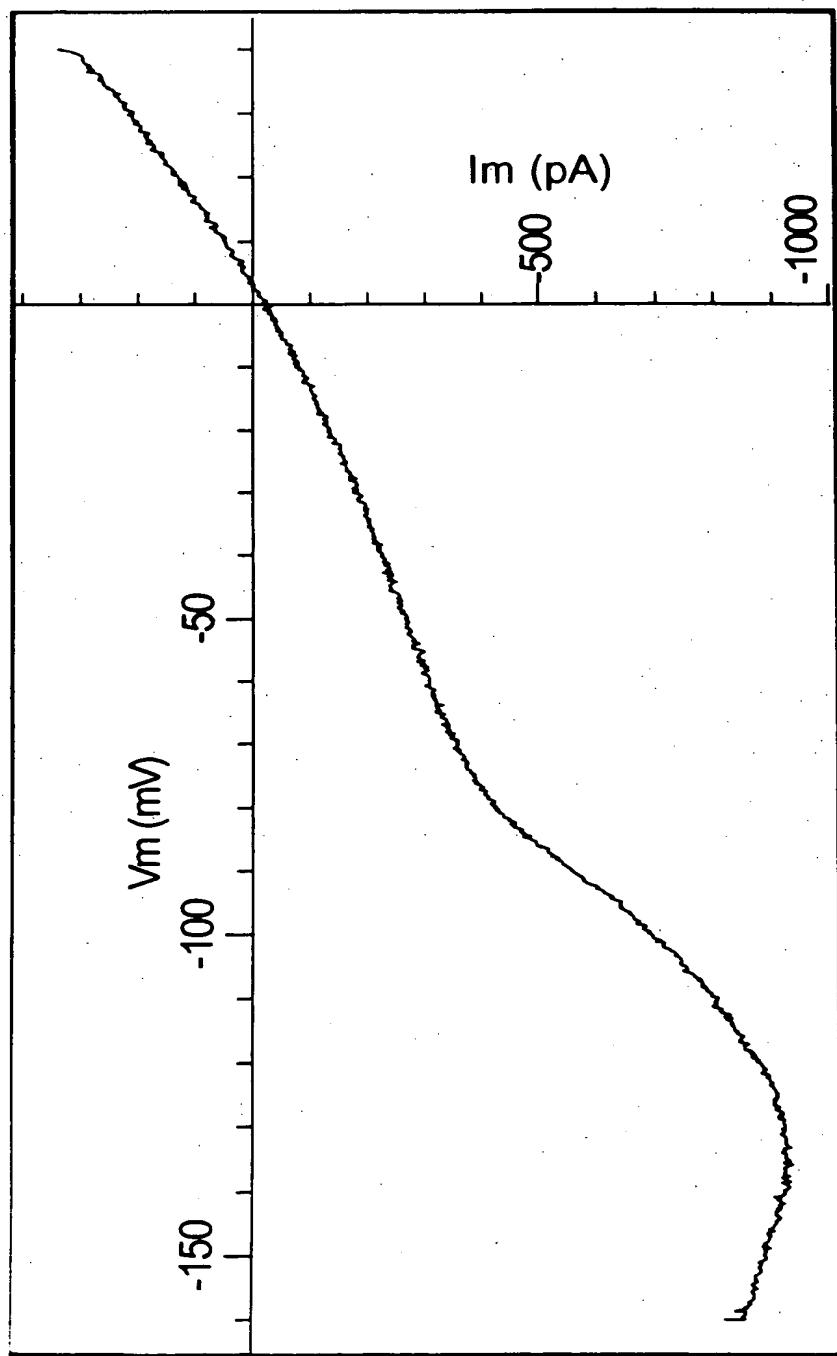
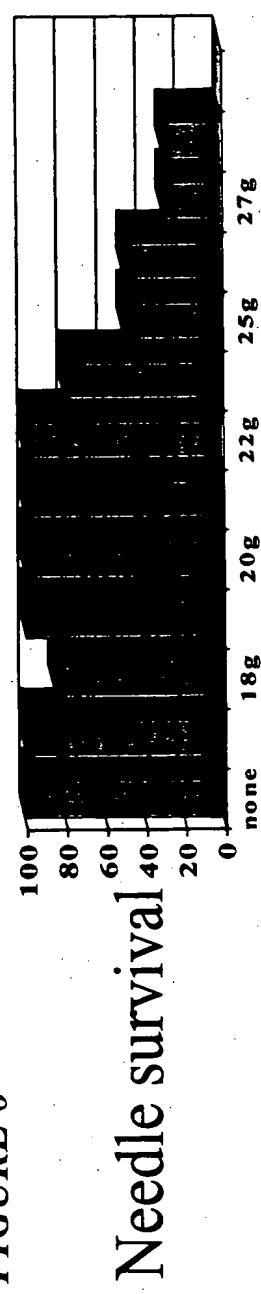
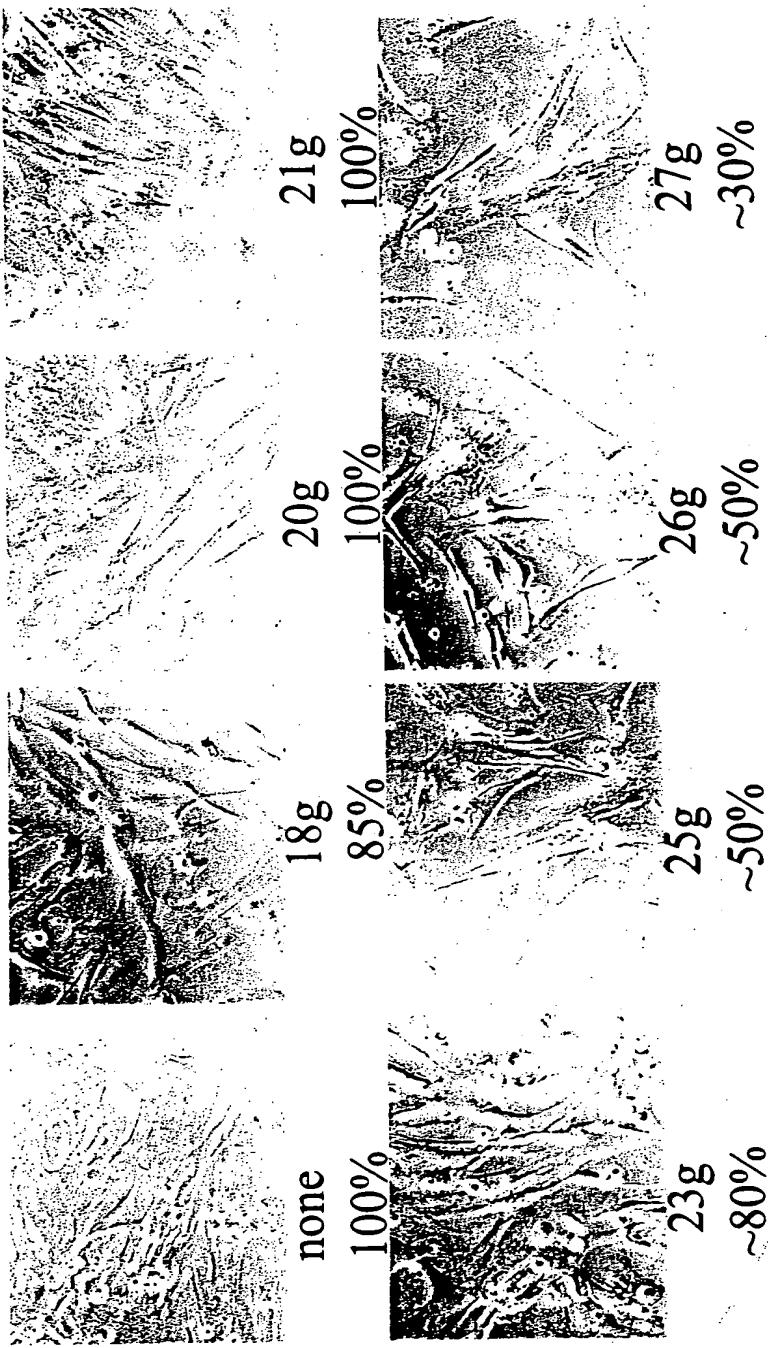


FIGURE 6



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FIGURE 7

HMSC cells transiently transfected with mH2-EGFP



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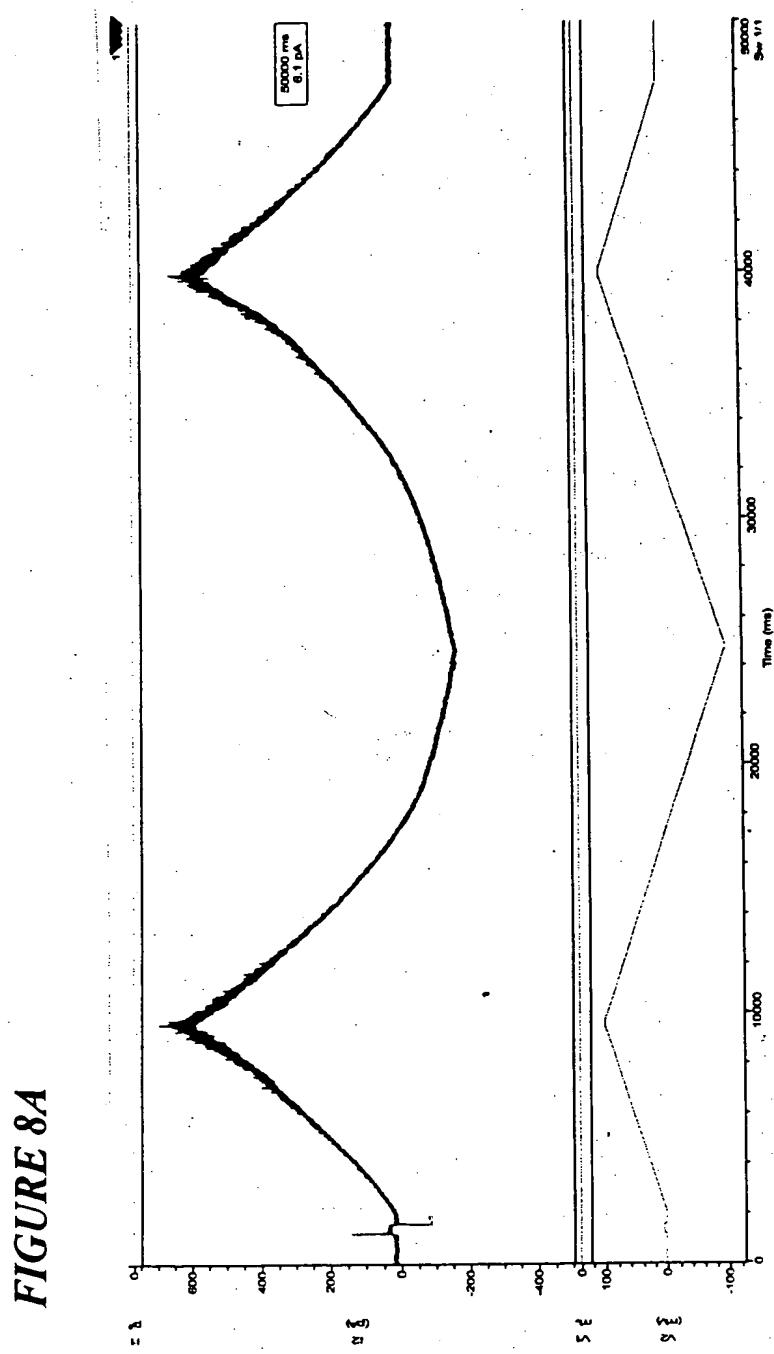
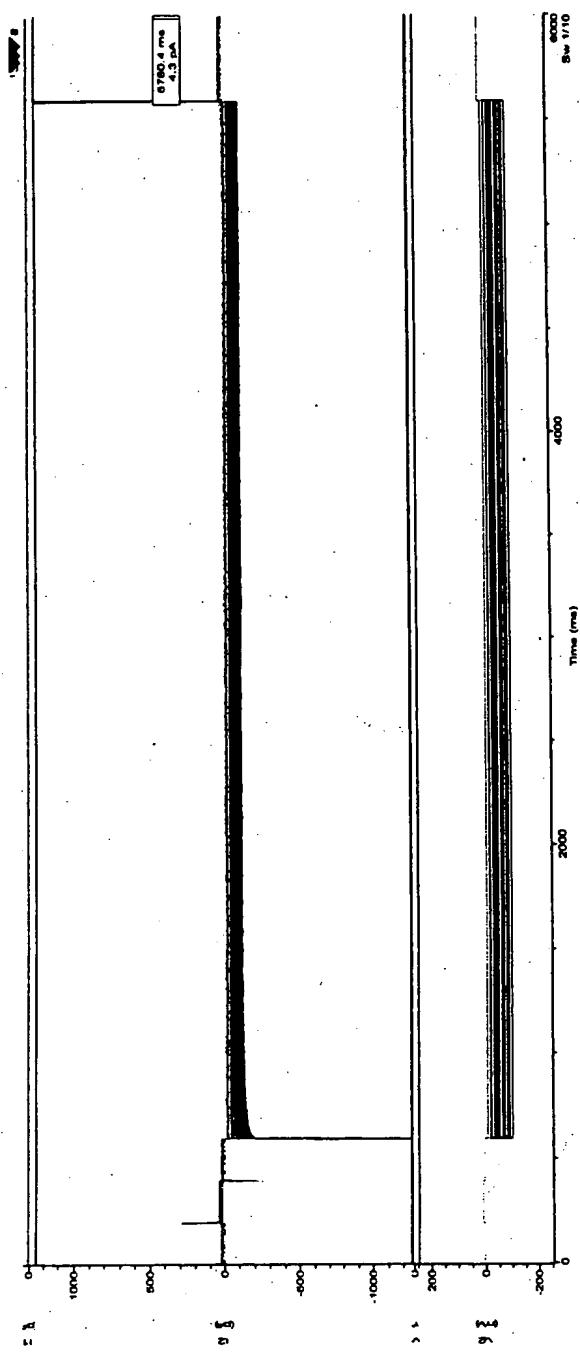


FIGURE 8A

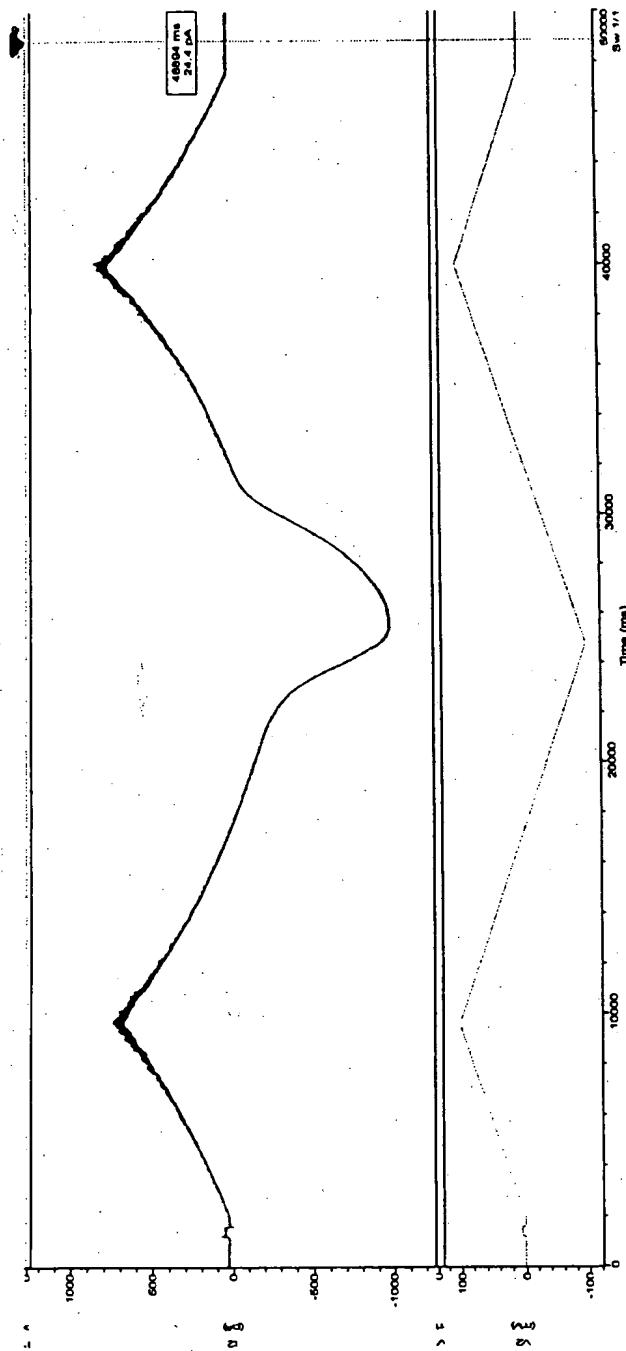
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FIGURE 8B



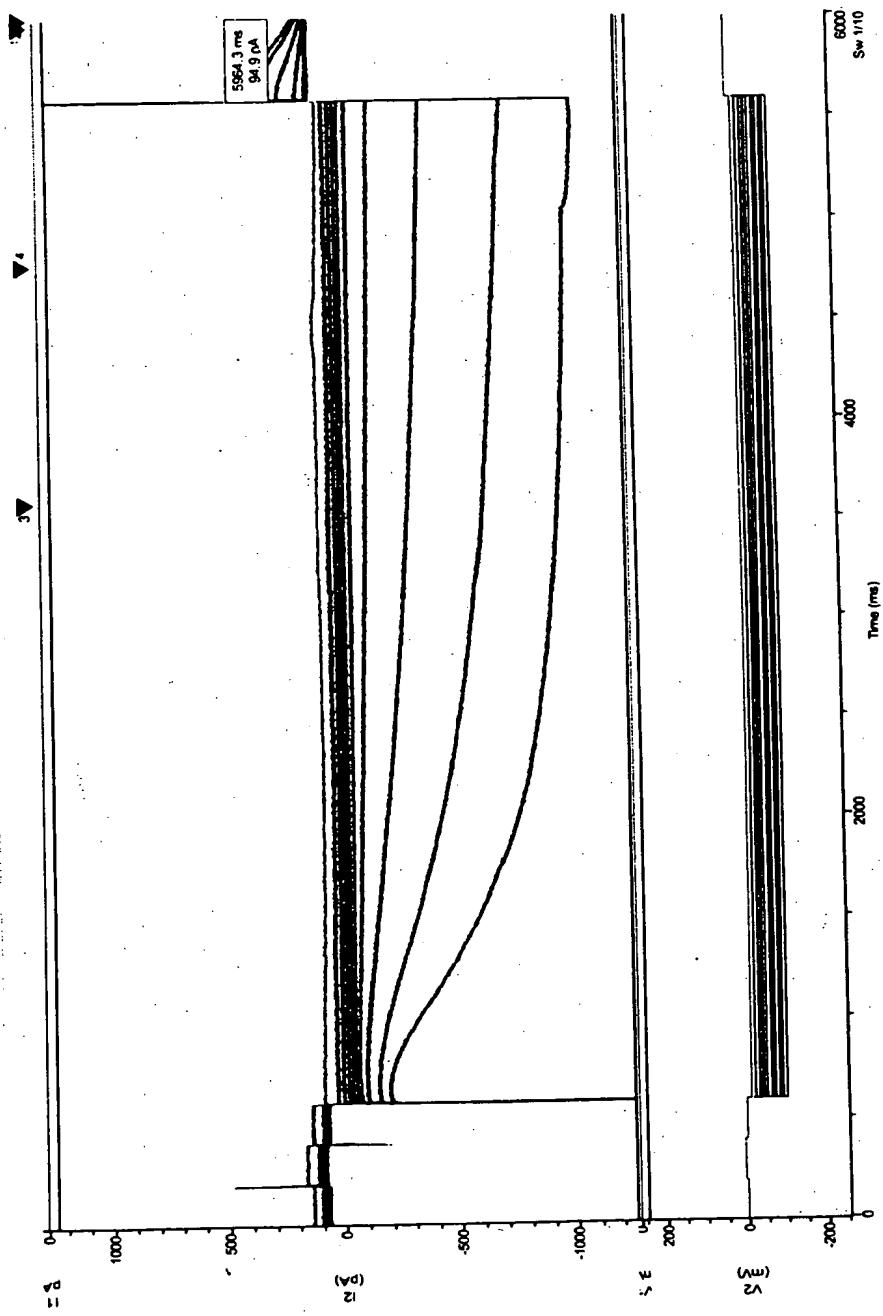
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FIGURE 9A



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FIGURE 9B



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FIGURE 10A

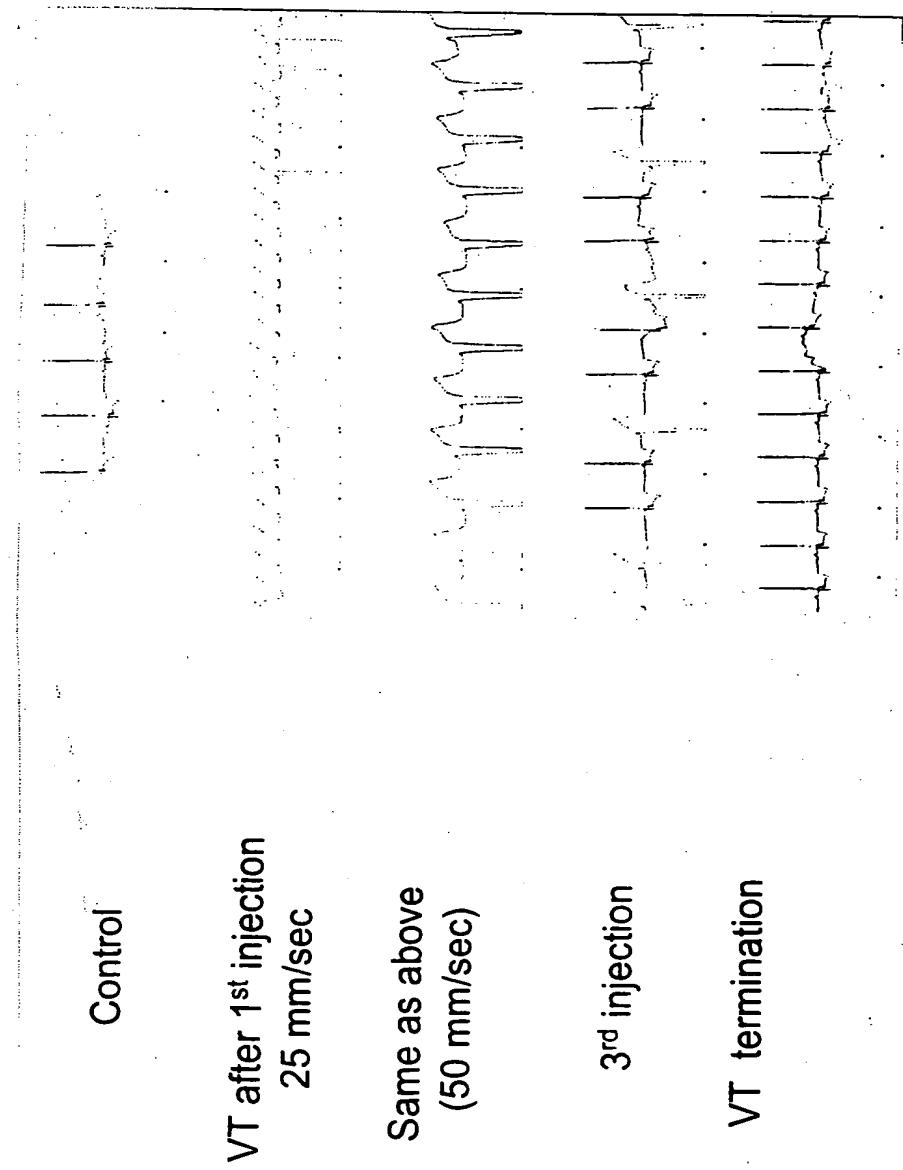
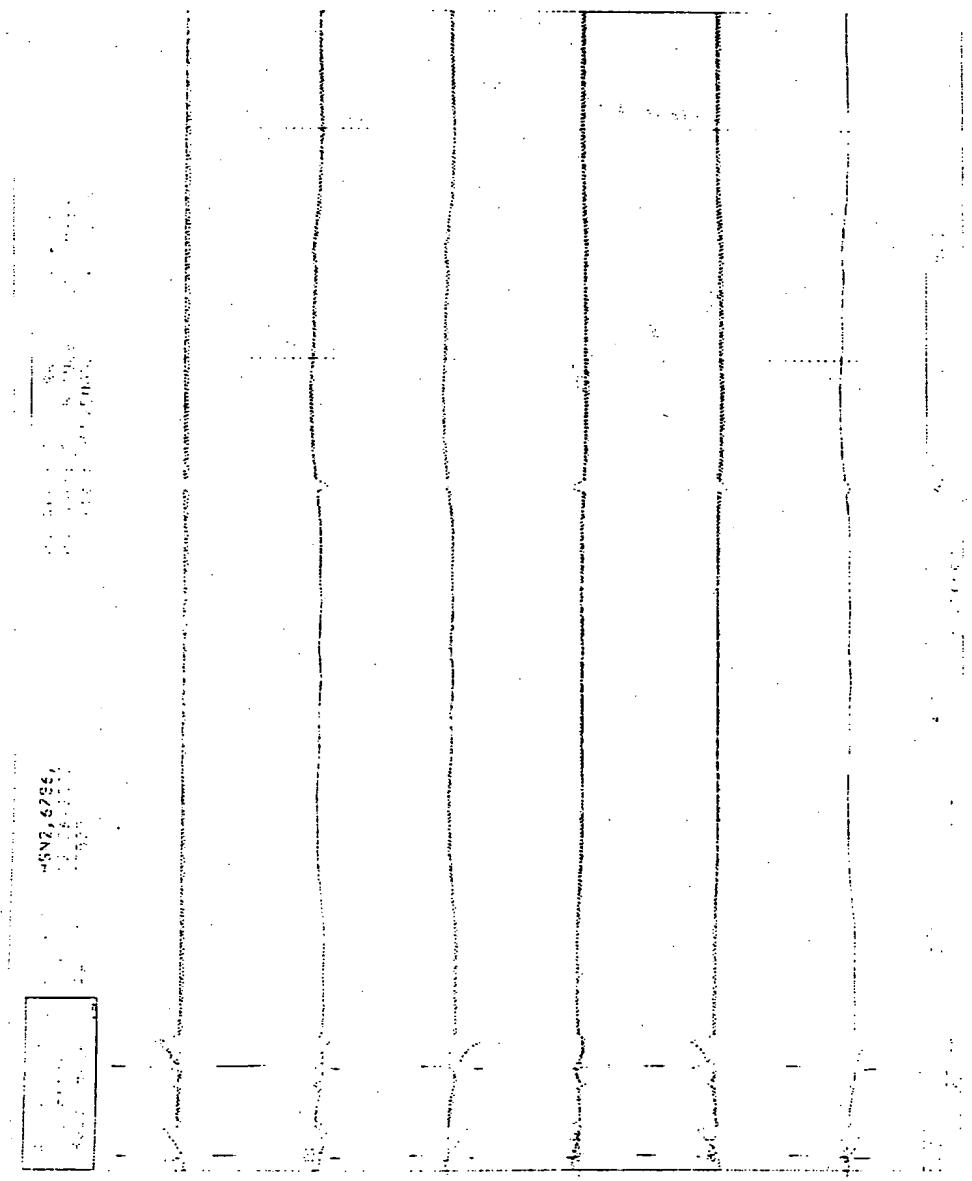


FIGURE 10B



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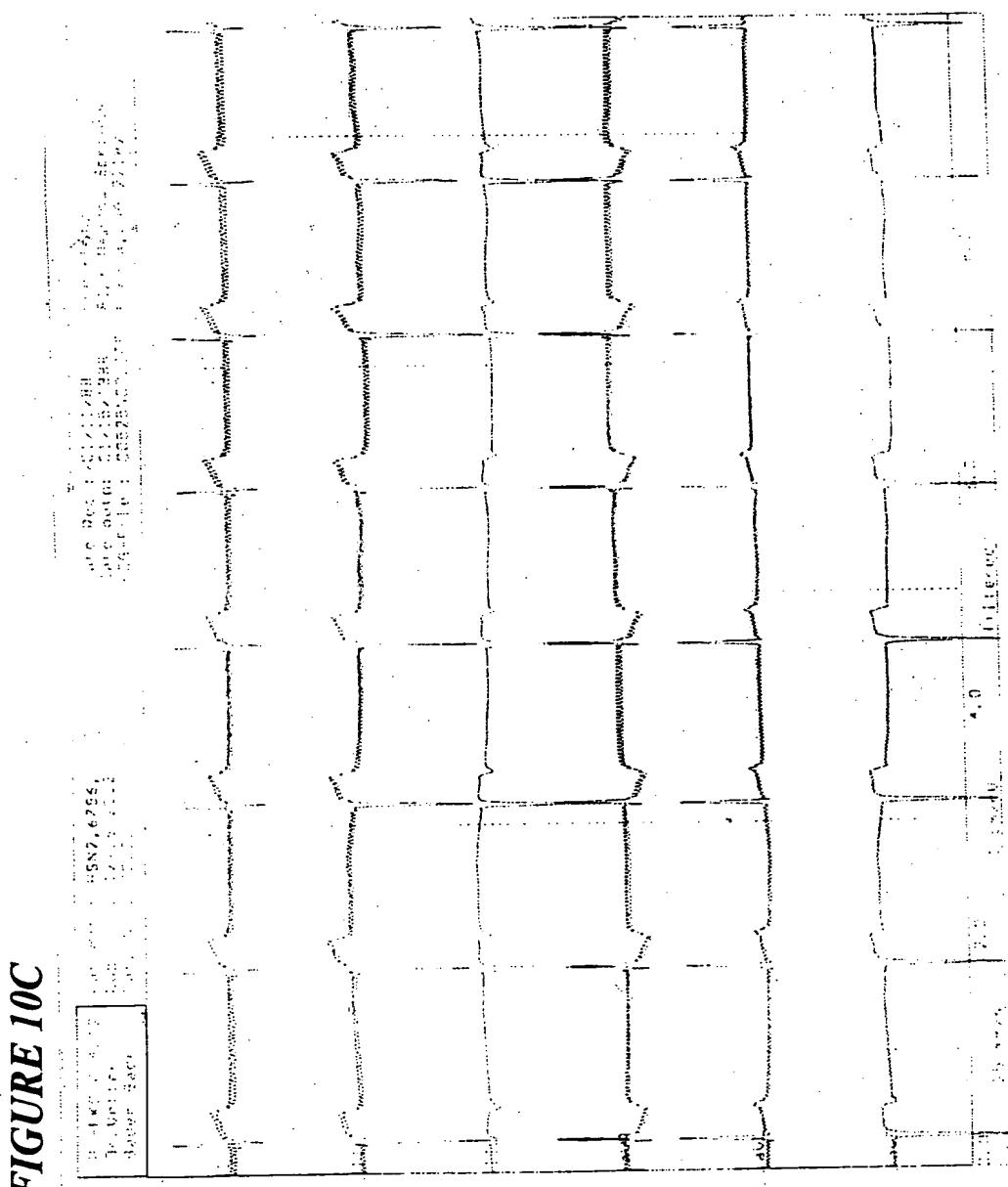


FIGURE 10C

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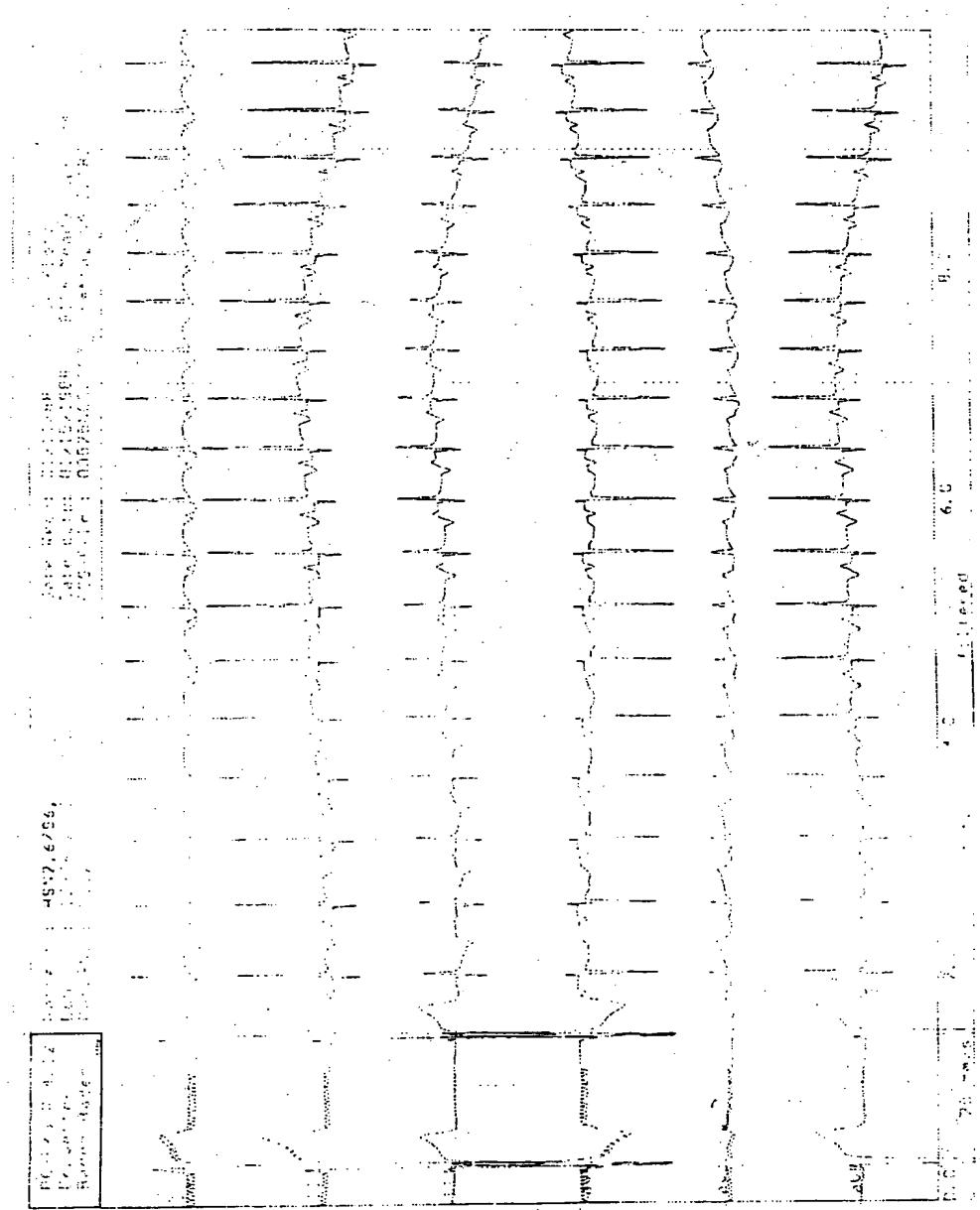


FIGURE 10D

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FIGURE 10E

